SAI CHERISH POTLURI

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EDUCATION

Master of Science in Computer Science

May 2023

Arizona State University | Tempe, Arizona

3.7/4 GPA

Coursework: Foundations of Algorithms, Software Quality Management, Data Mining, Mobile Computing

Bachelor of Technology in Computer Science

Jun 2020

Gandhi Institute of Technology and Management | India

8.3/10 GPA

Coursework: Object Oriented Design(Java), Distributed Database Systems, Data Structures and Algorithms

WORK EXPERIENCE

Trainee Decision Scientist | Mu Sigma | Bangalore, India

Aug 2020 - Oct 2020

- Coordinated with a team of 5 to clean, analyze, and visualize a large E-Commerce firm's dataset using **python** and **exploratory data analysis (EDA)**.
- Eradicated product disparate demands by establishing an effective inventory policy using Machine Learning.
- Doubled the efficiency by categorizing products based on demand, using KNN clustering algorithm, dividing the products into high-demand and low-demand clusters.
- Prepared visualization reports using Tableau to help customers better understand the data.

Intern Software Developer | SmartBridge | Hyderabad, India

Apr 2019 - Jun 2019

- Designed and developed a fully scalable web application using **MERN** stack for a mobility service provider, capable of handling records of over **2 million** on an average.
- Predicted trip fare amount accurately by proposing an algorithm using XGBoost data model.
- Achieved an accuracy of 80% by training the model over a large dataset of 4 million records.

TECHNICAL SKILLS

Languages: C/C++, Java, JavaScript, Python, Spark, SQL, HTML/CSS

Frameworks and Databases: Spring, Node.js, Django, Flask, PostgreSQL, MySQL, MongoDB Others: Linux, Git, Windows, VS Code, Agile Methodologies, MS Excel, Tableau, REST API

PROJECTS

Knowledge Extraction from Context Sensors

Jun 2022

- Collaborated with a team of five in developing an android application to record videos and extract information using knowledge recovery algorithm.
- Increased efficiency upto 80% by automating the process of capturing a video, uploading it to the Node.js server and extracting it frame by frame.
- Predicted the gestures accurately using the Cosine similarity on a database of Deaf Tec gesture videos producing high accuracy.

Web Application Development

May 2022

- Created a full stack web application using **React.js** and **Node.js** for forecasting weather information.
- Implemented **OpenWeatherAPI** to fetch weather data up to 7 days in advance.
- Incorporated GeoDB API enabling auto-search location feature, suggesting list of location as user types.

ACHIEVEMENTS

AWS Certified Cloud Practitioner

Aug 2022

- Explored cloud computing concepts, by working on cloud services provided by Amazon such as **S3**, **Lambda**, **EC2**, etc.
- Developed an understanding of Amazon's **cloud architecture**, its design principles and how cloud computing compares to on-premises.